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## TRANSMITTAL FORM

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Total Number of Pages in This Submission

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Application Number	10/574,429
Filing Date	April 3, 2006
First Named Inventor	Bond
Art Unit	1614
Examiner Name	TBD
Total Number of Pages in This Submission	18
Attorney Docket Number	8077-005-US

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PATENT  
8077-005-US



**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re Application of:	)	Examiner: To Be Assigned
Bond	)	Group Art Unit: 1614
Serial No.: 10/574,429	)	Docket No.: 8077-005-US
Filed: April 3, 2006	)	Date Mailed: June 30, 2006
For: METHODS FOR TREATING	)	
DISEASES AND CONDITIONS WITH	)	
INVERSE AGONISTS AND FOR	)	
SCREENING FOR AGENTS ACTING	)	
AS INVERSE AGONISTS	)	
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Attached is at least one form PTO/SB/08A/B listing documents believed relevant to the subject application. The submission of the following information is not intended, nor should it be construed, to constitute an admission that any patent, article, or other information referred to herein is "prior art" unless specifically designated as such. In accordance with 37 C.F.R. § 1.97(b), the filing of this information shall not be construed

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to mean that a search has been made or that no other material information may exist. Neither should its submission be construed to indicate that a thorough search should not be conducted by the Examiner.

It is believed that this disclosure complies with the requirements of 37 C.F.R. § 1.96, § 1.97, and § 1.98 and the Manual of Patent Examining Procedures § 707.05(b). If for some reason the Examiner considers otherwise, it is respectfully requested that the undersigned be telephoned at (858) 450-0099 x302 so that any deficiencies can be remedied.

This Information Disclosure Statement is being submitted before the mailing date of an Office Action on the merits for the above-identified patent application. Accordingly, no fee is due for the filing of this Information Disclosure Statement under 37 C.F.R. § 1.97(b)(2).

A copy of each document is enclosed, except for issued United States patents and published United States patent applications pursuant to 37 C.F.R. § 1.98(a)(2)(ii). Some of the documents may have markings thereon. No significance is to be attached to the markings. These documents are not necessarily analogous art. Additionally, the order of the following documents is to be accorded no particular import, as the order thereof is completely fortuitous.

It is respectfully requested that these documents be: (1) fully considered by the Patent and Trademark Office during the prosecution of this application; and (2) represented on any patent which may issue on the application. Applicant respectfully requests that copies of the forms PTO/SB/08A/B, as considered and initialed by the Examiner, be returned with the next communication.

U.S. Patent No. 4,428,926 to Keith, issued on January 31, 1984.

U.S. Patent No. 4,769,372 to Kreek, issued on September 6, 1988.

U.S. Patent No. 5,116,867 to Klein et al., issued on May 26, 1992.

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PCT Patent Publication No. WO 98/38985 by Matsumori, published on September 11, 1998.

PCT Patent Publication No. WO 02/24198, by Bond, published on March 28, 2002.

PCT Patent Publication No. WO 02/036591 by Drechsel et al. (Boehringer Ingelheim), published on May 10, 2002, which discloses a propellant-free inhalation formulation of tiotropium bromide or tiotropium bromide monohydrate, which is dissolved in water or in a mixture consisting of water and ethanol, and to propellant-free aerosols resulting from the formulation. The formulation can be used for asthma or for chronic obstructive pulmonary disease.

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If any issues remain, the Examiner is respectfully requested to telephone the undersigned at (858) 200-0581.

Respectfully submitted,



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## INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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of 3

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Application Number	10/574,429
Filing Date	April 3, 2006
First Named Inventor	Bond
Art Unit	1614
Examiner Name	TBD

Attorney Docket Number 8077-005-US

### U. S. PATENT DOCUMENTS

Examiner Initials*	Cite No. <sup>1</sup>	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code <sup>2</sup> ( <i>if known</i> )			
		US- 4,428,926	01-31-1984	KEITH	
		US- 4,769,372	09-06-1988	KREEK	
		US- 5,116,867	05-26-1992	KLEIN et al.	
		US- 5,316,759	05-31-1994	ROSE et al.	
		US- 5,352,680	10-04-1994	PORTOGHESE et al.	
		US- 5,472,943	12-05-1995	CRAIN et al.	
		US- 5,580,876	12-03-1996	CRAIN et al.	
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		US- 5,597,699	01-28-1987	LANZARA	
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		US- 5,767,125	06-16-1998	CRAIN et al.	
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		Country Code <sup>3</sup> -Number <sup>4</sup> -Kind Code <sup>5</sup> ( <i>if known</i> )				
		WO 98/38985	09-11-1998	MATSUMORI		
		WO 02/24198	04-28-2002	BOND		
		WO 02/036591	05-10-2002	DRECHSEL et al.		
		WO 03/000735	01-03-2003	MARTINEZ et al.		
		WO 04/110551	12-23-2004	YUN et al.		

Examiner Signature

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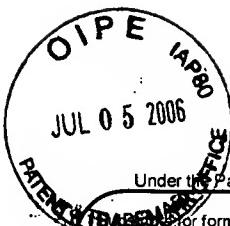
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INFORMATION DISCLOSURE STATEMENT BY APPLICANT  (Use as many sheets as necessary)				<i>Complete if Known</i>	
				Application Number	10/574,429
				Filing Date	April 3, 2006
				First Named Inventor	Bond
				Art Unit	1614
				Examiner Name	TBD
Sheet	1	of	4	Attorney Docket Number	8077-005-US

NON PATENT LITERATURE DOCUMENTS				
Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.		T <sup>2</sup>
		H. KRUM et al., "Baseline Predictors of Tolerability to Carvedilol in Patients with Chronic Heart Failure," Heart 84: 615-619 (2000).		
		S. NAGARAJA et al., "Treatment with Inverse Agonists Enhances Baseline Atrial Contractility in Transgenic Mice with Chronic...," Br. J. Pharmacol. 127: 1099-1104 (1999).		
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		L.J. EMORINE et al., "Molecular Characterization of the Human $\alpha_3$ -Adrenergic Receptor," Science 245: 1118-1121(1989).		

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		A.D. STROSBERG & F. PIETRI-ROUXEL, "Function and Regulation of the •3-Adrenoceptor," Trends Pharmacol. Sci. 17: 373-381 (1996).				
		E.S. BACHMAN et al., •AR Signaling Required for Diet-Induced Thermogenesis and Obesity Resistance," Science 297: 843-845 (2002).				
		J.R. ARCH, •(3)-Adrenoceptor Agonists: Potential, Pitfalls and Progress, Eur. J. Pharmacol. 440: 99-107 (2002).				
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		T.M. LARSEN et al., "Effect of a 28-d Treatment with -796568, a Novel •(3)-Adrenergic Receptor Agonist, on Energy Expenditure and...," Am. J. Clin.Nutr. 76: 780-788 (2002).				
		V. SOLOVEVA et al., "Transgenic Mice Overexpressing the •1-Adrenergic Receptor in Adipose Tissue, Mol. Endocrinol. 11: 27-38 (1997).				
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		L. MANARA et al., "Functional Identification of Rat Atypical •-Adrenoceptors by the First •3-Selective Antagonists...," Br. J. Pharmacol. 117: 435-442 (1996).				
		R.A. BOND et al., "Effects of Chronic Treatment with •-Adrenoceptor Antagonist and Inverse Agonists on a Murine Model of Asthma," FASEB J. 17: Abstract No. 142.8 (2003).				
		American Lung Association's Epidemiology and Statistics Unit, Best Practices and Program Services. Trends in Asthma Morbidity and Mortality, 2002.				

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		T. CLARK & J. REES, "Practical Management of Asthma" (2d ed, Martin Dunitz, 1996), pp. 47-79, 99-139.		
		T. COSTA & A. HERZ, "Antagonists with Negative Intrinsic Activity at • Opioid Receptors Coupled to GTP-Binding Proteins," Proc. Natl. Acad. Sci. USA 86: 7321-7325 (1989).		
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		G. MILLIGAN et al., "Inverse Agonism: Pharmacological Curiosity or Potential Therapeutic Strategy?," Trends Pharmacol. Sci. 16: 10-13 (2000).		
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		R. LANZARA, "Weber's Law Modeled by the Mathematical Description of a Beam Balance," Mathematical Biosciences 122: 89-94 (1994).		
		A.S.P. HUA et al., "Results from a Multicentre Trial of Metoprolol and a Study of Hypertensive Patients with Chronic Obstructive...," Med. J. Australia 1978: 282-286 (1978).		
		L. DAEFFLER & Y. LANDRY, "Inverse Agonism at Heptahelical Receptors: Concept, Experimental Approach and Therapeutic Potential," Fundam. Clin. Pharmacol. 14: 73-87 (2000).		
		R. LANZARA, "Preventing Rapid Receptor Desensitization at the beta-1-Adrenergic...," The Chemweb Preprint Server, <a href="http://preprint.chemweb.com/medichem/0302002">http://preprint.chemweb.com/medichem/0302002</a> (2003).		

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		R. LANZARA, "Desensitization of a Balance with Langmuir Binding of Weights" arXiv 2003, <a href="http://arXiv.org/abs/physics/0303055">http://arXiv.org/abs/physics/0303055</a>	
		R. LANZARA, "The Anemone and the Balance" The Chemweb Preprint Server 2003, <a href="http://preprint.chemweb.com/chemistry/0302001">http://preprint.chemweb.com/chemistry/0302001</a>	

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